

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. NAK1-BP44		SERIAL NO. 09/889,473								
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT Ryuichi Murai et al.										
				FILING DATE 07/17/01		GROUP								
U.S. PATENT DOCUMENTS														
EXAMINER INITIAL	A	5	5	8	7	6	2	4	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE	
<i>NR</i>	A	5	5	8	7	6	2	4	12/24/96	Komaki	313	584		
<i>NR</i>	B	5	6	4	0	0	6	8	06/17/97	Amemiya	313	582		
	C													
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	J													
	K													
FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION	
													YES	NO
<i>NR</i>	L	2	1	4	8	6	4	5	06/07/90	Japan	—	—	X	
<i>NR</i>	M	9	2	3	1	9	0	7	09/05/97	Japan	—	—	X	
<i>NR</i>	N	8	9	5	5	0	0		04/12/96	Japan	—	—	X	
<i>NR</i>	O	3	2	5	0	5	3	6	11/08/91s	Japan	—	—	X	
<i>NR</i>	P	5	2	9	0	7	4	1	11/05/93	Japan	—	—	X	
<i>NR</i>	Q	52	1	3	7	2	6	2	11/16/77	Japan	—	—	X	
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)														
	R													
	S													
	T													
EXAMINER <i>Kim Porter</i>										DATE CONSIDERED 8/13/03				
*EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.														
INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.														

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

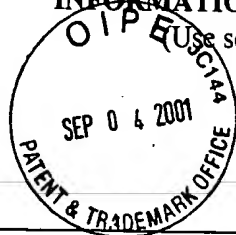
ATTY. DOCKET NO.

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INFORMATION DISCLOSURE STATEMENT



(Use several sheets if necessary)

APPLICANT

Ryuichi Murai et al.

FILING DATE

07/17/01

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION
							YES NO
<i>NA</i>	L	55 1 4 3 7 5 4	11/10/80	Japan	—	—	X
<i>NA</i>	M	5 1 2 1 0 0 3	05/18/93	Japan	—	—	X
<i>NA</i>	N	11 2 7 2 2 3 2	10/08/99	Japan	—	—	X
<i>NA</i>	O	8 2 5 0 0 2 9	09/27/96	Japan	—	—	X
<i>NA</i>	P	2000 2 1 3 1 3	01/21/00	Japan	—	—	X
<i>NA</i>	Q	2000 1 1 8 8 9	01/14/00	Japan	—	—	X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	R	
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EXAMINER

Kim Dauter

DATE CONSIDERED

8/19/03

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